

CLAIMS

What is claimed is:

1 1. A method comprising:
2 applying a forward error correction code to a group of data packets to
3 create a coded group of packets by supplementing a set of parity packets to the
4 group of data packets;
5 transmitting the data packets, and transmitting a set of corresponding
6 parity packets after the data packets have been sent;
7 receiving a positive acknowledgement signal;
8 in response to receiving the acknowledgement, ceasing to send
9 additional parity packets, and
10 in response to not receiving the acknowledgment, continuing to
11 transmit the parity packets.

1 2. The method of claim 1, wherein the data packets include multi-media data
2 packets, and the transmitting includes transmitting over a wireless network.

1 3. The method of claim 2, wherein transmitting the multi-media data packets
2 includes multi-media streaming over an Internet Protocol (IP) network.

1 4. The method of claim 3, wherein the multi-media streaming includes streaming
2 via IEEE 802.11 standard over a wireless network.

1 5. The method of claim 4, wherein the multi-media streaming includes
2 suppressing physical layer acknowledgements via multicasting IP addresses.

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- 1 6. The method of claim 1, wherein the applying a forward error correction code
2 includes applying a Reed-Solomon code to the data packets.
- 1 7. The method of claim 1, wherein the applying a forward error correction code
2 includes applying a Tornado code to the data packets
- 1 8. The method of claim 1, wherein transmitting the group of packets includes
2 interleaving and transmitting a second and separate group of data packets.
- 1 9. The method of claim 1, wherein the receiver sends multiple acknowledgement
2 signals for a group of packets.
- 1 10. The method of claim 1, further includes manipulating the number of parity
2 packets in response to data included in the acknowledgement.
- 1 ~~11.~~ A machine-readable storage media tangibly embodying a sequence of
2 instructions executable by processor to perform a method comprising:
3 applying a forward error correction code to a group of data packets to
4 create a coded group of packets by supplementing a set of parity packets to the
5 group of data packets;
6 transmitting the data packets, and transmitting a set of corresponding
7 parity packets after the data packets have been sent;
8 receiving a positive acknowledgement signal;
9 in response to receiving the acknowledgement, ceasing to send
10 additional parity packets; and

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11 in response to not receiving the acknowledgment, continuing to transmit the parity
12 packets.

1 ~~12.~~ The machine-readable storage media of claim 11, wherein the data packets
2 include multi-media data packets, and the transmitting includes transmitting
3 over a wireless network.

1 ~~13.~~ The machine-readable storage media of claim 12, wherein transmitting the
2 multi-media data packets includes multi-media streaming over an Internet
3 Protocol (IP) network.

1 14. The machine-readable storage media of claim 13, wherein the multi-media
2 streaming includes streaming via IEEE 802.11 standard over a wireless
3 network.

1 ~~15.~~ The machine-readable storage media of claim 14, wherein the multi-media
2 streaming includes suppressing physical layer acknowledgements via
3 multicasting IP addresses.

1 ~~16.~~ The machine-readable storage media of claim 11, wherein the applying a
2 forward error correction code includes applying a Reed-Solomon code to the
3 data packets.

1 ~~17.~~ The machine-readable storage media of claim 11, wherein the applying a
2 forward error correction code includes applying a Tornado code to the data
3 packets

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1 ~~18.~~ The machine-readable storage media of claim 11, wherein transmitting the
2 group of packets includes interleaving and transmitting a second and separate
3 group of data packets.

1 ~~19.~~ The machine-readable storage media of claim 11, wherein the receiver sends
2 multiple acknowledgement signals for a group of packets.

1 ~~20.~~ The machine-readable storage media of claim 11, further includes
2 manipulating the number of parity packets in response to data included in the
3 acknowledgement.

1 ~~21.~~ A system comprising:

2 An encoder to apply a forward error correction code to a group of data packets
3 to create a coded group of packets by supplementing a set of parity
4 packets to the group of data packets;

5 A transmitter to transmit the data packets to a receiver over a network, and
6 transmit a set of corresponding parity packets;

7 A receiver to receive a positive acknowledgement signal, wherein in response
8 to receiving the acknowledgement, the transmitter ceases to send
9 additional parity packets, and in response to not receiving the
10 acknowledgment, continuing to transmit the parity packets.

1 ~~22.~~ The system of claim 21, wherein the transmitter streams multi-media data
2 packets over an Internet Protocol (IP) network.

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- 1 ~~23.~~ The system of claim 22, wherein the transmitter streams multi-media data
2 packets via an IEEE 802.11 standard over a wireless network.
- 1 ~~24.~~ The system of claim 22, wherein the transmitter suppresses physical layer
2 acknowledgements via multicasting IP addresses.
- 1 ~~25.~~ The system of claim 21, wherein the encoder applies a Reed-Solomon code to
2 the data packets.
- 1 ~~26.~~ The system of claim 21, wherein the encoder applies a Tornado code to the
2 data packets
- 1 ~~27.~~ The system of claim 21, wherein the transmitter interleaves a second and
2 separate group of data packets with the group of data packets.